

# United States Department of Agriculture,

## OFFICE OF THE SECRETARY.

### NOTICE OF JUDGMENT NO. 1743.

(Given pursuant to section 4 of the Food and Drugs Act.)

#### ADULTERATION AND MISBRANDING OF VINEGAR.

On April 18, 1912, the United States Attorney for the Eastern District of Illinois, acting upon a report by the Secretary of Agriculture, filed in the District Court of the United States for said district an information against the Western Fruit Products Co., a corporation, Flora, Ill., alleging shipment by said company, in violation of the Food and Drugs Act, on December 27, 1910, from the State of Illinois into the State of Oklahoma, of a quantity of vinegar which was adulterated and misbranded. The product was labeled: "Put up for Carroll Brough & Robinson, First pick brand Pure Apple Cider Vinegar 45 grains, 50 gallons, Oklahoma City, Okla." "50 Apple Cider Vinegar, Guaranteed absolutely pure. Made by Western Fruit Products Co. Flora, Ills. 40 grains."

Analysis of samples of the product by the Bureau of Chemistry of this Department showed the following results:

	Sample No. 1.	Sample No. 2.
Glycerol (grams per 100 cc).....	0.12	0.12
Solids (grams per 100 cc).....	1.85	1.73
Nonsugar solids (grams per 100 cc).....	1.07	1.15
Reducing sugars, invert before inversion (grams per 100 cc).....	.78	.58
Sugar in solids (per cent).....	42.2	33.5
Polarization direct.....	- .6° V.	- .1° V.
Ash (grams per 100 cc).....	.30	.32
Alkalinity of soluble ash (cc N/10 acid).....	28.4	26.4
Soluble phosphoric acid (mg per 100 cc).....	12.2	15.2
Insoluble phosphoric acid (mg per 100 cc).....	12.7	11.2
Acid as acetic (grams per 100 cc).....	4.53	4.13
Fixed acid, as malic (grams per 100 cc).....	.01	Trace.
Lead precipitate.....	Medium	Medium.
Color (degrees on brewer's scale, 0.5 in. cell).....	4.0	4.0
Color removed by fuller's earth (per cent).....	58	58
Pentosans (per cent).....	.08	.07
Alcohol precipitate.....	.10	.08
Ratio ash to nonsugar solids.....	1:3.6	1:3.6

Adulteration was alleged in the information for the reason that distilled vinegar had been substituted in part for apple cider vinegar.

Misbranding was alleged for the reason that the vinegar was branded so as to deceive and mislead the purchaser by having on the barrel containing it a false statement regarding the substance contained in the vinegar as set forth in the label above, whereas in truth and in fact the product was not pure apple cider vinegar but on the contrary the apple cider vinegar contained in the product did not exceed 50 per cent of said vinegar, while the remainder of the product consisted of distilled vinegar and dilute acetic acid.

On May 6, 1912, the defendant company entered a plea of guilty to the information, and the court imposed a fine of \$25 and costs.

W. M. HAYS,

*Acting Secretary of Agriculture.*

WASHINGTON, D. C., August 13, 1912.

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